



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

January 24, 2012

Mr. Ed Peresie  
Department of Air Quality  
Bureau of Air Pollution Control  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

U.S. Environmental Protection Agency  
Region III  
Air, Radiation & Toxics Division  
1650 Arch Street  
Philadelphia, PA 19103-2029  
ATTN: James W. Hagedorn (3AT23)

Mr. Steve Hepler  
Department of Environmental Protection  
Southwest Region  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745

Department of Justice  
Environmental and Natural Resource Division  
Environmental Enforcement Section  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044  
ATTN: David Street, Esq.

Subject: USS Reference Number: 12-0020  
ACHD Reference Number: 14439  
#2 Control Room  
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 412-233-1015.

Sincerely,

James F. Dudek  
Plant Manager  
Clairton Works

NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 12-0020  
ACHD Reference Number: 14439
2. Date & Time of Breakdown: Date: 01/23/12 Time: 1300 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: #2 Control Room
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA
7. Nature and cause of breakdown: A low oil condition caused two vacuum axi machines to trip off line. This resulted in a partial bypass of the #2 Control Room coke oven gas separation process while the axi machines were brought back on line.
8. Identification of Emissions:
  - A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Elevated H<sub>2</sub>S in the downriver gas line systems, causing increased SO<sub>2</sub> and VOC at point of combustion.
  - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO<sub>2</sub> is and VOC could be an eye, nose, and throat irritant.
  - C. Amount of each type emitted (or likely to be emitted).  
Moderate
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The axi machines were brought back on line.
10. Facility back in operation - Date: 01/23/12 Time: 1425 hours

Signature Coleen M. Davis Date 1-25-12  
Coleen M. Davis  
Senior Environmental Control Engineer Phone: 412-233-1015